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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,291	11/18/2003	Kevin J. Cann	2002U020.US	6068
7590	02/23/2005		EXAMINER	
Univation Technologies, LLC Suite 1950 5555 San Felipe Houston, TX 77056			BROWN, JENNINE M	
			ART UNIT	PAPER NUMBER
			1755	

DATE MAILED: 02/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.	Applicant(s)	
10/716,291	CANN ET AL.	
Examiner	Art Unit	
Jennine M. Brown	1755	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-56 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) _____ is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) 1-56 are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some *
 - c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 1-13, drawn to A supported chromium oxide catalyst comprising dehydrated silica support and organoaluminum.

Group II, claims 14-19, drawn to A supported chromium catalyst system comprising silylchromate, dehydrated silica support and organoaluminum added in situ.

Group III, claim 20, drawn to A supported chromium catalyst system comprising silylchromate, dehydrated silica support and one of triethyl aluminum, triisobutyl aluminum and triethylhexyl aluminum.

Group IV, claim 21, drawn to A supported chromium catalyst system comprising silylchromate, dehydrated silica support and triethyl boron in situ.

Group V, claims 22-29, drawn to A process for producing ethylene polymer using a chromium oxide catalyst, alkyl aluminum, silica support and addition of alkyl aluminum oxide.

Group VI, claims 30-37, drawn to A process for producing ethylene polymer using a silyl chromate catalyst, dehydrated silica and addition of organoaluminum.

Group VII, claims 38-44, drawn to A process for producing ethylene polymer using silylchromate catalyst, dehydrated silica and addition of cocatalyst.

Group VIII, claims 45-48, drawn to A process for producing ethylene polymer using chromium oxide catalyst, silica support and addition of cocatalyst.

Group IX, claims 49-56, drawn to A process for producing ethylene polymer in a reactor using a chrome catalyst system.

The inventions listed as Groups I-IX do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Group I lacks the special technical feature of the silylchromate of each of Groups II, III, IV, VI and VII. Group I lacks the special technical feature of the alkyl aluminum oxide of Group V. Group I lacks the special technical feature of the cocatalyst of Group VIII.

Groups I-VIII each independently lack the special technical feature of the reactor of Group IX.

Groups III-VIII each independently lack the special technical feature of adding the organoaluminum in situ of Group II.

Groups IV-VIII each independently lack the special technical feature of the triethyl aluminum, triisobutyl aluminum and triethylhexyl aluminum of Group III.

Groups I-III and V-VIII each independently lack the special technical feature of the triethyl boron added in situ of Group IV.

Groups I-IV lack the special technical feature of an ethylene polymer of Groups V-IX.

Group VIII lacks the special technical feature of a dehydrated silica support of Groups I-IV, VI and VII.

Furthermore, under PCT Article 17(3)(a) and § 1.476(c), if multiple products, processes of manufacture or uses are claimed, the first invention of the category first mentioned in the claims of the application and the first recited invention of each of the other categories related thereto will be considered as the main invention in the claims.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennine M. Brown whose telephone number is (571) 272-1364. The examiner can normally be reached on M-R 9:30 AM - 7:30 PM; Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on (571) 272-1233. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

jmb



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GROUP 1700